

ABSTRACT OF THE DISCLOSURE

A surface acoustic wave device includes a piezoelectric substrate, a first interdigital transducer, a second interdigital transducer and a first coupler.

The first and second interdigital transducers are arranged on the surface of the piezoelectric substrate such that the second interdigital transducer is offset from a direction in which a surface acoustic wave excited by the first IDT propagates. A first edge is provided on the piezoelectric substrate to reflect the excited surface acoustic wave to the first and second interdigital transducers, and the first coupler having a plurality of metal strips on the piezoelectric substrate is provided between the first edge of the piezoelectric substrate and at least one of the first and second interdigital transducers so as to be adjacent to the first and second interdigital transducers. The surface acoustic wave device operates using a shear horizontal surface wave.